Sub-

INFORMATION DISCLOSURE STATEMENT LISTING SHEET

Information Cited By Applicant(s) That May Be Material To The Prosecution Of The Subject Application

Applicants: George et al. Attorney Docket No. BIOL0123

Serial No.: 10/593,016 Group Art Unit: 2624

Filed: September 14, 2006 Examiner: Heidemann, Jason E.

Confirmation No. 5733

Title: METHOD FOR IMAGING AND DIFFERENTIAL ANALYSIS OF CELLS

U.S. PATENT DOCUMENTS

Examiner						Suo-
Initial	ID	Document No.	<u>Date</u>	Name	Class	Class
	US1	2009/0202130	8/13/2009	George et al.	382	133
	US2	7,315,357	1/1/2008	Ortyn et al.	356	73
	US3	7,221,457	5/22/2007	Jorgenson et al.	356	445
	US4	7,190,832	3/13/2007	Frost et al.	382	173
	US5	7,180,673	2/20/2007	Dowski, Jr.	359	637
	US6	2006/0257884	11/16/2006	Brawley et al.	435	6
	US7	2006/0246481	11/2/2006	Finch et al.	435	6
	US8	7,087,877	8/8/2006	Ortyn et al.	250	201.2
	US9	7,079,708	7/18/2006	Riley et al.	382	294
	US10	7,006,710	2/28/2006	Riley et al	382	294
	US11	6,975,400	12/13/2005	Ortyn et al.	356	419
	US12	6,947,136	9/20/2005	Ortyn et al.	356	338
	US13	6,947,128	9/20/2005	Basiji et al.	356	73
	US14	6,934,408	8/23/2005	Frost et al.	382	129
	US15	6,927,922	8/9/2005	George et al.	359	708
	US16	6,906,792	6/14/2005	Ortyn et al.	356	28.5
	US17	6,875,973	4/5/2005	Ortyn et al.	250	201.3
	US18	6,873,733	3/29/2005	Dowski, Jr.	382	232
	US19	6,778,263	8/17/2004	Ortyn et al.	356	28
	US20	6,763,149	7/13/2004	Riley et al.	382	294
	US21	6,727,066	4/27/2004	Kaser	435	6
	US22	6,716,588	4/6/2004	Sammak et al.	435	7.23
	US23	6,707,551	3/16/2004	Ortyn et al.	356	338
	US24	6,671,044	12/30/2003	Ortyn et al.	356	326
	US25	6,620,591	9/16/2003	Dunlay et al.	435	7.2

Telephone: (425) 688-8816 Fax: (425) 646-6314

*Examiner

U.S. PATENT DOCUMENTS

		<u>U</u>	.S. PATENT D	OCUMEN 15		
*Examiner Initial	m	D	ъ.	N.	C)	Sub- Class
initiai	<u>ID</u> US26	Document No. 6,618,140	<u>Date</u> 9/9/2003	Frost et al.	<u>Class</u> 356	317
	US27	6,608,682	8/19/2003	Ortyn et al.	356	419
	US28	6,608,680		Basiji et al.	356	338
	US28 US29	6,583,865	8/19/2003	Basiji et al.	356	338 73
			6/24/2003			
	US30	6,580,504	6/17/2003	Basiji et al.	356	338
	US31	2003/0104439	6/5/2003	Finch	435	6
	US32	6,563,583	5/13/2003	Ortyn et al.	356	400
	US33	6,549,664	4/15/2003	Daiber et al.	382	232
	US34	6,548,259	4/15/2003	Ward et al.	435	6
	US35	6,532,061	3/11/2003	Ortyn et al.	356	28
	US36	6,522,781	2/18/2003	Norikane et al.	382	203
	US37	6,510,319	1/21/2003	Baum et al.	455	442
	US38	6,507,391	1/14/2003	Riley et al.	356	28
	US39	6,473,176	10/29/2002	Basiji et al.	356	326
	US40	2002/0146734	10/10/2002	Ortyn et al.	435	6
	US41	2002/0126275	9/12/2002	Johnson	356	317
	US42	6,381,363	4/30/2002	Murching et al.	382	164
	US43	6,330,361	12/11/2001	Mitchell et al.	382	211
	US44	6,330,081	12/11/2001	Scholten	358	463
	US45	6,259,807	7/10/2001	Ravkin	381	133
	US46	2001/0006416	7/5/2001	Johnson	356	73
	US47	6,256,096	7/3/2001	Johnson	356	335
	US48	6,249,341	6/19/2001	Basiji et al.	356	73
	US49	6,249,314	6/19/2001	Yamamoto et al.	348	242
	US50	6,229,913	5/8/2001	Nayar et al.	382	154
	US51	6,210,973	4/3/2001	Pettit	436	172
	US52	6,159,686	12/12/2000	Kardos et al.	435	6
	US53	6,156,465	12/5/2000	Cao et al.	430	30
	US54	6,116,739	9/12/2000	Ishihara et al.	353	31
	US55	6,108,082	8/22/2000	Pettipiece et al.	356	301
	US56	6,066,459	5/23/2000	Garini et al.	435	6
	US57	6,014,468	1/11/2000	McCarthy et al.	382	254
	US58	6,007,996	12/28/1999	McNamara et al.	435	6
	US59	6,007,994	12/28/1999	Ward et al.	435	6
	US60	5,986,061	11/16/1999	Petska	530	352
	US61	5,985,549	11/16/1999	Singer et al.	435	6
	US62	5,959,953	9/28/1999	Alon	369	44.41
	US63	5,929,986	7/27/1999	Slater et al.	356	326
	US64	5,926,283	7/20/1999	Hopkins	356	419
	US65	5,900,942	5/4/1999	Spiering	356	400
	US66	5,855,753	1/5/1999	Trau et al.	204	484
	US67	5,848,123	12/8/1998	Strommer	378	98.8
	US68	5,844,670	12/1/1998	Morita et al.	356	124
	500	- , , - , -				

U.S. PATENT DOCUMENTS

		<u>L</u>	.S. PATENT D	OCUMEN 15		
*Examiner Initial	ID	Document No.	Dete	N	01	Sub- Class
muai	US69	5,831,723	<u>Date</u> 11/3/1998	Name Kubota et al.	<u>Class</u> 356	73
	US70	Re. 35,868	8/11/1998	Kubota et al. Kosaka	250	574
	US71	5,764,792	6/9/1998	Kennealy	382	133
	US72	5,760,899	6/2/1998	Eismann	356	326
	US73	5,754,291	5/19/1998	Kain	356	338
	US74	5,733,721	3/19/1998	Hemstreet III et al.	435	558 6
	US75	5,695,934	12/9/1997	Brenner	435	6
	US76	5,686,960	11/11/1997	Sussman et al.	348	335
	US77	5,674,743	10/7/1997	Ulmer	435	287.2
	US78	5,644,388	7/1/1997	Maekawa et al.	356	73
	US79	5,633,503	5/27/1997	Kosaka	250	458.1
	US80	5,625,048	4/29/1997	Tsien et al.	536	23.4
	US81	5,621,460	4/15/1997	Hatlestad et al.	348	265
	US82			Kusuzawa	356	23
	US82 US83	5,596,401 5,568,315	1/21/1997	Shuman	359	487
			10/22/1996	Snuman Kosaka	359 356	487 73
$\overline{}$	US84	5,548,395	8/20/1996			766
	US85	5,548,349	8/20/1996	Mizuguchi et al.	348	
	US86	5,471,294	11/28/1995	Ogino Foxwell et al.	356	73 328
	US87	5,459,240	10/17/1995		530	
	US88	5,444,527	8/22/1995	Kosaka	356	73
	US89	5,436,144	7/25/1995	Stewart et al.	435	91.2
	US90	5,422,712	6/6/1995	Ogino	356	73
	US91	5,351,311	9/27/1994	Rogers et al.	382	45
	US92	5,272,354	12/21/1993	Kosaka	250	574
	US93	5,257,182	10/26/1993	Luck et al.	364	413.1
	US94	5,247,340	9/21/1993	Ogino	356	73
	US95	5,247,339	9/21/1993	Ogino	356	73
	US96	5,159,642	10/27/1992	Kosaka	382	134
	US97	5,159,398	10/27/1992	Mackawa et al.	356	73
	US98	5,159,397	10/27/1992	Kosaka et al.	356	73
	US99	5,153,916	10/6/1992	Inagaki et al	382	4
	US100	5,141,609	8/25/1992	Sweedler et al.	204	180.1
	US101	5,122,453	6/16/1992	Martin et al.	435	7.24
	US102	5,096,807	3/17/1992	Leaback	435	6
	US103	4,857,453	8/15/1989	Ullman et al.	435	7
	US104	4,845,197	7/4/1989	Petersen et al.	530	387
	US105	4,786,165	11/22/1988	Yamamoto et al.	356	23
	US106	4,777,525	10/11/1988	Preston, Jr.	358	102
	US107	4,770,992	9/13/1988	Van den Engh et al.	435	6
	US108	4,737,932	4/12/1988	Baba	364	900
	US109	4,703,017	10/27/1987	Campbell et al.	436	501
	US110	4,677,680	6/30/1987	Harima et al.	382	1
	US111	4,662,742	5/5/1987	Chupp	356	39

U.S. PATENT DOCUMENTS

*Examiner						Sub-
<u>Initial</u>	ID	Document No.	<u>Date</u>	<u>Name</u>	Class	Class
	US112	4,635,293	1/6/1987	Watanabe	382	44
	US113	4,313,734	2/2/1982	Leuvering	23	230
	US114	3,922,069	11/25/1975	Kishikawa et al.	350	173
	US115	3,586,760	6/22/1971	Dillenburger	348	339
	US116	3,555,280	1/12/1971	Richards, Jr.	250	201

FOREIGN PATENT DOCUMENTS

*Examiner			Publication				
<u>Initial</u>	$\underline{\mathbf{ID}}$	Document No.	<u>Date</u>	Country	<u>Class</u>	Sub-Class	Translation?
	F1	WO 05/98430	10/20/2005	PCT	G01N	33/50	n/a
	F2	WO 05/90945	9/29/2005	PCT	G01N	15/14	n/a
	F3	EP 1 316 793	6/4/2003	EP	G01N	21	n/a
	F4	WO 02/79391	10/10/2002	PCT	C12N		n/a
	F5	WO 02/73200	9/19/2002	PCT	G01N	33/53	n/a
	F6	WO 02/35474	5/2/2002	PCT	G06T	7/00	n/a
	F7	WO 02/18537	3/7/2002	PCT	C12N		n/a
	F8	WO 02/17622	2/28/2002	PCT	H04N	5/232	n/a
	F9	WO 01/46675	6/28/2001	PCT	G01N	15/14	n/a
	F10	WO 01/11341	2/15/2001	PCT	G01N	15/14	n/a
	F11	WO 00/42412	7/20/2000	PCT	G01N	15/02	n/a
	F12	WO 00/14545	3/16/2000	PCT	G01N	33/58	n/a
	F13	WO 00/06989	2/10/2000	PCT	G01N		n/a
	F14	WO 99/64592	12/16/1999	PCT	C12N		n/a
	F15	EP 0 950 890	10/20/1999	EP	G01N	15/14	n/a
	F16	WO 99/24458	5/20/1999	PCT	C07K	1/10	n/a
	F17	WO 98/53300	11/26/1998	PCT	G01N	21/00	n/a
	F18	WO 98/53093	11/26/1998	PCT	C12Q	1/00	n/a
	F19	WO 97/26333	7/24/1997	PCT	C12N	15/12	n/a
	F20	EP 0 372 707	3/6/1996	EP	C07K	14/00	n/a
	F21	WO 95/20148	7/27/1995	PCT	G01N	21/64	n/a
	F22	EP 0 281 327	6/30/1993	EP	G01N	33/546	n/a
	F23	WO 90/10715	9/20/1990	PCT	C12Q	1/68	n/a
	F24	EP 0 280 559	8/31/1988	EP	G01N	33/546	n/a
	F25	WO 88/08534	11/3/1988	PCT	G01N	33/543	n/a
	F26	EP 0 154 404	9/11/1985	EP	G06F	15/68	n/a

OTHER INFORMATION

-4-

Amann et al., "Fluorescent-Oligonucleotide Probing of Whole Cells for Determinative, Phylogenetic, and Environmental Studies in Microbiology," Journal of Bacteriology Vol. 172, No. 2: 762-770, February 1990.

01

	OTHER INFORMATION
 O2	Arkesteijn et al., "Chromosome Specific DNA Hybridization in Suspension for Flow Cytometric Detection of Chimerism in Bone Marrow Transplantation and Leukemia," <i>Cytometry</i> 19: 353-360, April 1995.
 O3	Bains et al., "Flow Cytometric Quantitation of Sequence-Specific mRNA in Hemopoietic Cell Suspension by Primer-Induced in Situ (PRINS) Fluorescent Nucleotide Labeling," Experimental Cell Research 208: 321-326, September 1993.
 O4	Barren III et al., "Method for Identifying Prostate Cells in Semen Using Flow Cytometry," <i>The Prostate</i> 36: 181-188, 1998.
 O5	Bauman et al., "Flow Cytometric Detection of Ribosomal RNA in Suspended Cells by Fluorescent In Situ Hybridization," <i>Cytometry</i> 9: 517-524, 1988.
 O6	Baumgartner et al., "Automated Evaluation of Frequencies of Aneuploid Sperm by Laser-Scanning Cytometry (LSC)," Cytometry 44: 156-160, 2001.
 О7	Ben-Eliezer et al., "All-optical extended depth of field imaging system," Journal of Optics A: Pure and Applied Optics 5: S164-S169, 2003.
 O8	Biggs et al., "Acceleration of iterative image restoration algorithms" <i>Applied Optics</i> Vol. 36, No. 8: 1766-1775, March 10, 1997.
 O9	Boyle et al., "Isolation and Initial Characterization of a Large Repeat Sequence Element Specific to Mouse Chromosome 8," <i>Genomics</i> Vol. 12, No. 3: 517-525, 1992.
 O10	Callet-Bauchu et al., "Distribution of the cytogenetic abnormality +i(3)(q10) in persistent polyclonal B-cell lymphocytosis: a FICTION study in three cases," <i>British Journal of Haematology</i> 99: 531-536, December 1997.
 O11	Ding et al., "Characterization and Quantitation of NF-κB Nuclear Translocation Induced by Interleukin-1 and Tumor Necrosis Factor-α," <i>The Journal of Biological Chemistry</i> Vol. 273, No. 44: 28897-28905, October 30, 1998.
 O12	Disteche et al., "Isolation and characterization of two repetitive DNA fragments located near the centromere of the mouse X chromosome," Cytogenetics and Cell Genetics 39: 262-268, 1985.
 O13	Dragowska et al., "Measurement of DNA repeat sequence by flow cytometry," <i>Cytometry</i> Supplement 7: 51, October 1994.
 O14	Engvall, Eva. "Enzyme Immunoassay ELISA and EMIT," <i>Methods in Enzymology</i> Vol. 70, Part A: 419-439, 1980.
 O15	Fernandez-Lago et al., "Fluorescent Whole-Cell Hybridization with 16S rRNA-Targeted Oligonucleotide Probes To Identify <i>Brucella</i> spp. by Flow Cytometry," <i>Journal of Clinical Microbiology</i> Vol. 38, No. 7: 2768-2771, July 2000.

-5-

 O16	George et al., "Extended depth of field using a logarithmic asphere" <i>Journal of Optics A: Pure and Applied Optics 5</i> : S157-S163, 2003.
 O17	George et al., "Distinguishing Modes of Cell Death Using the ImageStream® Multispectral Imaging Flow Cytometer," <i>Cytometry Part A</i> 59A: 237-245, 2004.
 O18	George et al., "Quantitative measurement of nuclear translocation events using similarity analysis of multispectral cellular images obtained in flow," Journal of Immunological Methods 311: 117-129, 2006.
 O19	Gordy et al., "Visualization of Antigen Presentation by Actin-Mediated Targeting of Glycolipid-Enriched Membrane Domains to the Immune Synapse of B cell APCs." <i>Journal of Immunology</i> Vol. 172, No. 4: 2030-2038, February 15, 2004.
 O20	Hecht, Eugene. "Optics 4 th ed." Addison-Wesley Longman, Inc., XP-002465391, ISBN: 0-8053-8566-5, 2002.
 O21	Hultdin et al., "Telomere analysis by fluorescence <i>in situ</i> hybridization and flow cytometry," <i>Nucleic Acids Research</i> Vol. 26, No. 16: 3651-3656, August 15, 1998.
 O22	Kubota et al., "Flow Cytometer and Imaging Device Used in Combination." <i>Cytometry</i> 21: 129-132, 1995.
 O23	Kubota, Fumio. "Analysis of red cell and platelet morphology using an imaging-combined flow cytometer." <i>Clin. Lab. Haem.</i> 25: 71-76, 2003.
 O24	Lauzon et al., "Flow Cytometric Measurement of Telomere Length," Cytometry 42: 159-164, June 2000.
 O25	Levron et al., "Sperm chromosome abnormalities in men with severe male factor infertility who are undergoing in vitro fertilization with intracytoplasmic sperm injection," <i>Fertility and Sterility</i> Vol. 76, No. 3: 479-484, September 2001.
 O26	Lowe et al., "Aneuploid epididymal sperm detected in chromosomally normal and Robertsonian translocation-bearing mice using a new three-chromosome FISH method," <i>Chromosoma</i> 105: 204-210, 1996.
 O27	Majno et al., "Apoptosis, Oncosis, and Necrosis An Overview of Cell Death," American Journal of Pathology Vol. 146, No. 1: 3-15, January 1, 1995.
 O28	Martin et al., "Detection of aneuploidy in human interphase spermatozoa by fluorescence in situ hybridization (FISH)," <i>Cytogenetics and Cell Genetics</i> 64: 23-26, 1993.
 O29	Nautiyal et al., "17β-Estradiol induces nuclear translocation of CrkL at the window of embryo implantation," <i>Biochemical and Biophysical Research Communications</i> 318: 103-112, 2004.

O30	Ong, Sim Heng, "Development of a System for Imaging and Classifying
	Biological Cells in a Flow Cytometer," Doctor of Philosophy Thesis, University of Sydney, School of Electrical Engineering, August, 1985.
 O31	Ong et al., "Development of an Image Flow Cytometer," Analytical and Quantitative Cytology and Histology. XIVth International Conference on Medical and Biological Engineering and the VIIth International Conference on Medical Physics, Finland: 375-382, August 1987.
 O32	Ong et al., "Optical Design in a Flow System For Imaging Cells," <i>Sciences in Medicine</i> , Vol. 14, No. 2: 74-80, 1991.
 O33	Ong et al., "Analysis of MTF Degradation in the Imaging of Cells in a Flow System," <i>International Journal of Imaging Systems & Technology</i> 5: 243-250, 1994.
 O34	Ortyn et al., "Extended Depth of Field Imaging for High Speed Cell Analysis" Cytometry Part A 71A: 215-231, 2007.
 O35	Pala et al., "Flow cytometric measurement of intracellular cytokines," Journal of Immunological Methods 243: 107-124, 2000.
 O36	Pang et al., "Detection of aneuploidy for chromosomes 4, 6, 7, 8, 9, 10, 11, 12, 13, 17, 18, 21, X and Y by fluorescence in-situ hybridization in spermatozoa from nine patients with oligoasthenoteratozoospermia undergoing intracytoplasmic sperm injection," <i>Human Reproduction</i> Vol. 14, No. 5: 1266-1273, 1999.
 O37	Patterson et al., "Detection of HIV-1 DNA and Messenger RNA in Individual Cells by PCR-Driven in Situ Hybridization and Flow Cytometry," Science 260: 976-979, May 14, 1993.
 O38	Perreault et al., "The Role of Disulfide Bond Reduction during Mammalian Sperm Nuclear Decondensation in Vivo," Developmental Biology 101: 160-167, 1984.
 O39	Pinkel et al., "Cytogenetic analysis using quantitative, high sensitivity, fluorescence hybridization," <i>Proceedings of the National Academy of Sciences: Genetics</i> 83: 2934-2938, 1986.
 O40	Pollice et al., "Sequential Paraformaldehyde and Methanol Fixation for Simultaneous Flow Cytometric Analysis of DNA, Cell Surface Proteins, and Intracellular Proteins," <i>Cytometry</i> 13: 432-444, 1992.
 O41	Ried et al., "Simultaneous visualization of seven different DNA probes by in situ hybridization using combinatorial fluorescence and digital imaging microscopy," Proceedings of the National Academy of Sciences: Genetics 89: 1388-1392, February 1992.

-7-

 O42	Robbins et al., "Aneuploidy in sperm of Hodgkin's disease patients receiving NOVP chemotherapy," <i>The American Journal of Human Genetics</i> Vol. 55, No. 3 – Supplement: A68 (371), September 1994.
 O43	Robbins et al., "Detection of Aneuploid Human Sperm by Fluorescence In Situ Hybridization: Evidence for a Donor Difference in Frequency of Sperm Disomic for Chromosomes I and Y," <i>The American Journal of Human Genetics</i> , 52: 799-807, 1993.
O44	Robbins et al., "Three-probe Fluorescence <i>in situ</i> Hybridization to Assess Chromosome X, Y, and 8 Ancuploidy in Sperm of 14 Men from Two Healthy Groups: Evidence for a Paternal Age Effect on Sperm Ancuploidy," <i>Reproduction, Fertility and Development</i> 7: 799-809, 1995.
O45	Robbins et al., "Use of Fluorescence In Situ Hybridization (FISH) To Assess Effects of Smoking, Caffeine, and Alcohol on Aneuploidy Load in Sperm of Healthy Men," <i>Environmental and Molecular Mutagenesis</i> 30: 175-183, 1997.
 O46	Rufer et al., "Telomere length dynamics in human lymphocyte subpopulations measured by flow cytometry," <i>Nature Biotechnology</i> 16: 743-747, August 1998.
 O47	Salzman et al., "Light Scatter: Detection and Usage," Current Protocols in Cytometry Supplement 9: 1.13.1-1.138.8, 1999.
 O48	Satoh et al., "Small Aggregates of Platelets Can Be Detected Sensitively by a Flow Cytometer Equipped With an Imaging Device: Mechanisms of Epinephrine-Induced Aggregation and Antiplatelet Effects of Beraprost." Cytometry 48: 194-201, 2002.
 O49	Schmid et al., "Evalulation of inter-scorer and inter-laboratory reliability of the mouse epididymal sperm aneuploidy (m-ESA) assay," <i>Mutagenesis</i> Vol. 16, No. 3: 189-195, 2001.
 O50	Schmid et al., "Simultaneous Flow Cytometric Analysis of Two Cell Surface Markers, Telomere Length, and DNA Content," Cytometry 49: 96-105, 2002.
 O51	Schwerin et al., "Quantification of Y Chromosome Bearing Spermatozoa of Cattle Using In Situ Hybridization," <i>Molecular Reproduction and Development</i> 30: 39-43, 1991.
 O52	Shi et al., "Aneuploidy in human sperm: a review of the frequency and distribution of aneuploidy, effects of donor age and lifestyle factors," Cytogenetics and Cell Genetics 90: 219-226, 2000.
 O53	Timm et al., "Amplification and Detection of a Y-Chromosome DNA Sequence by Fluorescence In Situ Polymerase Chain Reaction and Flow Cytometry Using Cells in Suspension," <i>Cytometry (Communications in Clinical Cytometry)</i> 22: 250-255, 1995.

 O54	Timm et al., "Fluorescent <i>In Situ</i> Hybridization En Suspension (FISHES) Using Digoxigenin-qLabeled Probes and Flow Cytometry," <i>Biotechniques</i> Vol. 12, No. 3: 362-367, 1992.
 O55	Trask et al., "Fluorescence in situ hybridization to interphase cell nuclei in suspension allows flow cytometric analysis of chromosome content and microscopic analysis of nuclear organization," <i>Human Genetics</i> 78:251-259, 1988.
 O56	Tucker et al., "Extended depth of field and aberration control for inexpensive digital microscope systems" <i>Optics Express</i> Vol. 4, No. 11: 467-474, May 24, 1999.
 O57	van Dekken et al., "Flow Cytometric Quantification of Human Chromosome Specific Repetitive DNA Sequences by Single and Bicolor Fluorescent In Situ Hybridization to Lymphocyte Interphase Nuclei," <i>Cytometry</i> 11: 153- 164, 1990.
 O58	van den Berg et al., "Detection of Y Chromosome by <i>In situ</i> Hybridization in Combination with Membrane Antigens by Two-Color Immunofluorescence," <i>Laboratory Investigation</i> Vol. 64, No.5: 623-628, 1991.
 O59	Wang et al., "A Novel Apoptosis Research Method With Imaging-Combined Flow Cytometer and HITC OR IR-125 Staining," <i>Cytometry (Clinical Cytometry)</i> 50: 267-274, 2002.
 O60	Weber-Matthieson et al., "Rapid immunophenotypic characterization of chromosomally aberrant cells by the new FICTION method," <i>Cytogenetics Cell Genetics</i> 63: 123-125, 1993.
 O61	Weber-Matthieson et al., "Simultaneous Fluorescence Immunophenotyping and Interphase Cytogenetics: A Contribution to the Characterization of Tumor Cells," <i>Journal of Histochemistry and Cytochemistry</i> Vol. 40, No. 2: 171-175, 1992.
 O62	Wietzorrek et al., "A New Multiparameter Flow Cytometer: Optical and Electrical Cell Analysis in Combination With Video Microscopy in Flow," <i>Cytometry</i> 35: 291-301, 1999.
 O63	Wyrobek et al., "Smokers produce more aneuploid sperm than non-smokers," <i>The American Society of Human Genetics</i> , 45 th Annual Meeting, A131: 737, October 24-28, 1995.
 O64	Wyrobek et al., "Detection of Sex Chromosomal Aneuploidies X-X, Y-Y, and X-Y, in Human Sperm Using Two-Chromosome Fluorescence In Situ Hybridization," <i>American Journal of Medical Genetics</i> 53: 1-7, 1994.
 O65	Wyrobek et al., "Fluorescence In Situ Hybridization to Y Chromosomes in Decondensed Human Sperm Nuclei," <i>Molecular Reproduction and Development</i> 27: 200-208, 1990.

-9-

Examiner's Signature	Date

*Examiner; Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Documents cited herein marked with an ** have not previously been cited in a priority application relied upon herein for an earlier filing date. Copies of any so-noted Foreign Patent Documents and Other Information are enclosed for the Examiner's use.

MCK.zim
3/11/10